

1 **ABSTRACT**

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3 A system and method for time-shifted viewing of broadcast television programs is disclosed. Simultaneous
4 recording and playback are provided by using buffer storage as the source and destination of compressed
5 or uncompressed digital video/audio programs. Full VCR-like control is provided for all playback within
6 the buffer storage. Playback and control of recorded programs may be initiated by the user at any time
7 after initiation of the broadcast program with simultaneous continuous recording of the ongoing live
8 broadcast. Larger archival storage and removable is also provided for storing and building a library of
9 programs. Viewer playback control data may be stored as part of the program or used as edit points prior
10 to archival. Numerous options are provided for features such as continuous automatic recording in a
11 circular buffer fashion, program archival, editing, Internet interfaces, multiple-channel recording and
12 more.

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